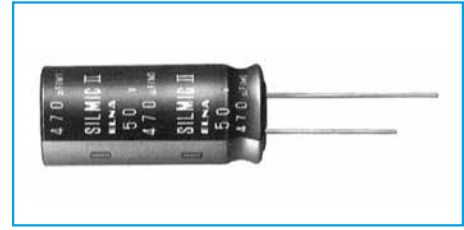


## ■ SILMIC series Silk fiber using audio purpose capacitor

- ELNA developed new raw material for the separate paper which use a silk fibers. Therefore, this capacitor can give you high grade sound for your audio design.
- Due to the silk fiber's pliability, the capacitor makes a dream of the high quality sound.

For examples ;

- To relieve the music's vibration energy.
- To decrease the peak feeling sound at high compass and rough quality sound at middle compass.
- To increase massive sound at low compass.
- For bipolar capacitors, consult with us.



Marking color : White print on a brown sleeve

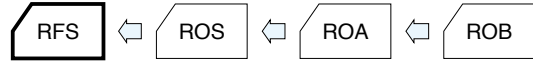
## Miniature High Grade Capacitors for Audio(SILMIC II)

GREEN CAP

For Audio

- All lead wires oxygen-free copper for extremely low distortion. (Third high frequency distortion 10kHz,0.1A,-120dB or less)
- "SILMIC II" mark on sleeve.

For higher grade    For higher grade    For higher grade

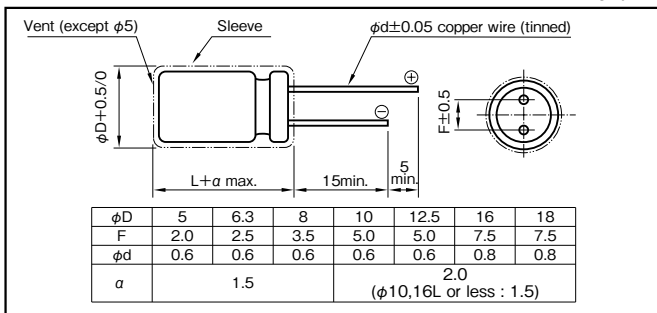


### Specifications

| Item                                      | Performance   |   |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
|---|---|---|------|------|------|------|------|------|-----|-----|-------------|------|------|------|------|------|------|------|------|
| Category temperature range (°C)           | -40 to +85  |   |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
| Tolerance at rated capacitance (%)        | ±20 (20°C,120Hz)  |   |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
| Leakage current (µA) (max.)               | 0.01CV or 3 whichever is larger (after 5 minutes) C : Rated capacitance (µF) ; V : Rated voltage (V) (20°C)   |   |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
| Tangent of loss angle (tanδ)              | <table border="1"> <tr> <th>Rated voltage (V)</th> <td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td> </tr> <tr> <th>tanδ (max.)</th> <td>0.20</td><td>0.17</td><td>0.13</td><td>0.10</td><td>0.10</td><td>0.08</td><td>0.08</td><td>0.08</td> </tr> </table> | Rated voltage (V)                           | 6.3  | 10   | 16   | 25   | 35   | 50   | 63  | 100 | tanδ (max.) | 0.20 | 0.17 | 0.13 | 0.10 | 0.10 | 0.08 | 0.08 | 0.08 |
|   | Rated voltage (V)   | 6.3   | 10   | 16   | 25   | 35   | 50   | 63   | 100 |     |             |      |      |      |      |      |      |      |      |
| tanδ (max.)                               | 0.20  | 0.17  | 0.13 | 0.10 | 0.10 | 0.08 | 0.08 | 0.08 |     |     |             |      |      |      |      |      |      |      |      |
|   | 0.02 is added to every 1000µF increase over 1000µF (20°C,120Hz)   |   |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
| Endurance (85°C) (Applied ripple current) | Test time   | 1000 hours                                  |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
|   | Leakage current   | The initial specified value or less         |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
|   | Percentage of capacitance change  | Within ±20% of initial value                |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
|   | Tangent of the loss angle   | 150% or less of the initial specified value |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
| Shelf life (85°C)                         | Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1   |   |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |
| Applicable standards                      | JIS C5101-1, -4 (IEC 60384-1, -4)   |   |      |      |      |      |      |      |     |     |             |      |      |      |      |      |      |      |      |

### Outline Drawing

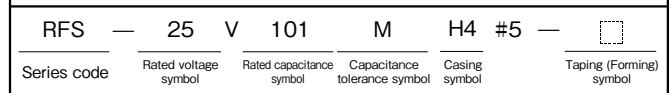
Unit : mm



### Coefficient of Frequency for Rated Ripple Current

| Rated voltage (V) | Frequency (Hz)<br>CV (µF×VV) | Frequency (Hz) |     |     |     |      |
|-------------------|------------------------------|----------------|-----|-----|-----|------|
|                   |                              | 50 · 60        | 120 | 1k  | 10k | 100k |
| 6.3 to 16         | All CV value                 | 0.8            | 1   | 1.1 | 1.2 | 1.2  |
|                   | ≤1000                        | 0.8            | 1   | 1.5 | 1.7 | 1.7  |
| 25 to 35          | 1000<                        | 0.8            | 1   | 1.2 | 1.3 | 1.3  |
|                   | ≤1000                        | 0.8            | 1   | 1.6 | 1.9 | 1.9  |
| 50 to 100         | 1000<                        | 0.8            | 1   | 1.2 | 1.3 | 1.3  |
|                   | ≤1000                        | 0.8            | 1   | 1.2 | 1.3 | 1.3  |

### Part numbering system (example : 25V100µF)



### Case symbol

| Case      | Casing | Case      | Casing | Case      | Casing | Case      | Casing |
|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| φD×L (mm) | Symbol | φD×L (mm) | Symbol | φD×L (mm) | Symbol | φD×L (mm) | Symbol |
| 5×11      | E3     | 10×12.5   | H3     | 12.5×20   | I5     | 16×31.5   | J7     |
| 6.3×11    | F3     | 10×16     | H4     | 12.5×25   | I6     | 16×35.5   | J8     |
| 8×11.5    | G3     | 10×20     | H5     | 16×25     | J6     | 18×35.5   | K8     |
|           |        |           |        |           |        | 18×40     | K9     |

### Standard Ratings

| Rated voltage (V) | Item | 6.3     |                           | 10      |                           | 16      |                           | 25      |                           | 35      |                           | 50      |                           | 63      |                           | 100     |                           |
|-------------------|------|---------|---------------------------|---------|---------------------------|---------|---------------------------|---------|---------------------------|---------|---------------------------|---------|---------------------------|---------|---------------------------|---------|---------------------------|
|                   |      | Case    | Rated ripple current (mA) | Case    | Rated ripple current (mA) | Case    | Rated ripple current (mA) | Case    | Rated ripple current (mA) | Case    | Rated ripple current (mA) | Case    | Rated ripple current (mA) | Case    | Rated ripple current (mA) | Case    | Rated ripple current (mA) |
| 3.3               | —    | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | 5×11    | 25                        | 5×11    | 30                        | —       | —                         |
|                   |      | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | 6.3×11                    | 30      | —                         | —       | —                         |
| 4.7               | —    | —       | —                         | —       | —                         | —       | —                         | 5×11    | 25                        | 5×11    | 30                        | 5×11    | 35                        | 5×11    | 35                        | —       | —                         |
|                   |      | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | 6.3×11                    | 40      | 6.3×11                    | 40      | —                         |
| 10                | —    | —       | —                         | —       | —                         | 5×11    | 35                        | 5×11    | 35                        | 5×11    | 35                        | 8×11.5  | 75                        | 8×11.5  | 75                        | —       | —                         |
|                   |      | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         |
| 22                | —    | —       | —                         | 5×11    | 50                        | 5×11    | 55                        | 5×11    | 60                        | 6.3×11  | 55                        | 8×11.5  | 95                        | 10×12.5 | 130                       | 10×16   | 140                       |
|                   |      | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         |
| 33                | —    | 5×11    | 55                        | 5×11    | 65                        | 5×11    | 70                        | 6.3×11  | 90                        | 8×11.5  | 120                       | 10×12.5 | 140                       | 10×16   | 175                       | 10×20   | 190                       |
|                   |      | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         |
| 47                | —    | 5×11    | 65                        | 5×11    | 75                        | 8×11.5  | 125                       | 8×11.5  | 140                       | 10×12.5 | 170                       | 10×16   | 210                       | 10×20   | 225                       | 12.5×25 | 285                       |
|                   |      | 6.3×11  | 80                        | 6.3×11  | 85                        | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         |
| 100               | —    | 8×11.5  | 135                       | 8×11.5  | 145                       | 10×12.5 | 215                       | 10×16   | 270                       | 10×20   | 295                       | 12.5×20 | 380                       | 12.5×25 | 415                       | 16×25   | 485                       |
| 220               | —    | 10×12.5 | 240                       | 10×16   | 260                       | 10×20   | 385                       | 12.5×20 | 505                       | 12.5×25 | 550                       | 16×25   | 720                       | 16×31.5 | 785                       | 18×40   | 930                       |
| 330               | —    | 10×16   | 290                       | 10×20   | 350                       | 12.5×20 | 545                       | 12.5×25 | 675                       | 16×25   | 785                       | 16×31.5 | 965                       | 16×35.5 | 1010                      | —       | —                         |
| 470               | —    | 10×20   | 390                       | 12.5×20 | 455                       | 12.5×25 | 710                       | 16×25   | 940                       | 16×31.5 | 1030                      | 16×35.5 | 1210                      | 18×35.5 | 1295                      | —       | —                         |
| 1000              | —    | 12.5×20 | 710                       | 16×25   | 835                       | 16×31.5 | 1315                      | 16×35.5 | 1575                      | 18×35.5 | 1690                      | 18×40   | 1985                      | —       | —                         | —       | —                         |
| 2200              | —    | —       | —                         | 16×35.5 | 1500                      | 18×40   | 2150                      | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         |
| 3300              | —    | —       | —                         | 18×40   | 1980                      | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         | —       | —                         |

(Note) Rated ripple current : 85°C, 120Hz

单击下面可查看定价，库存，交付和生命周期等信息

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